B. Getting Started (TS-10 and TS-12)

1. Save all Sound, Preset and Sequence data (see **Section H,** Disk Storage).
2. Remove all cables connected to the unit, including the power cord.
3. Turn the unit upside down on a soft surface.
4. **Follow precautions to safeguard against static discharge when handling the digital board and EPROMs.**
5. We have found that some units develop further problems once a module has been changed. This may be a result of improper handling of cables. We recommend removing cable connectors using the angled end of a scribe, see **Figure 1.**
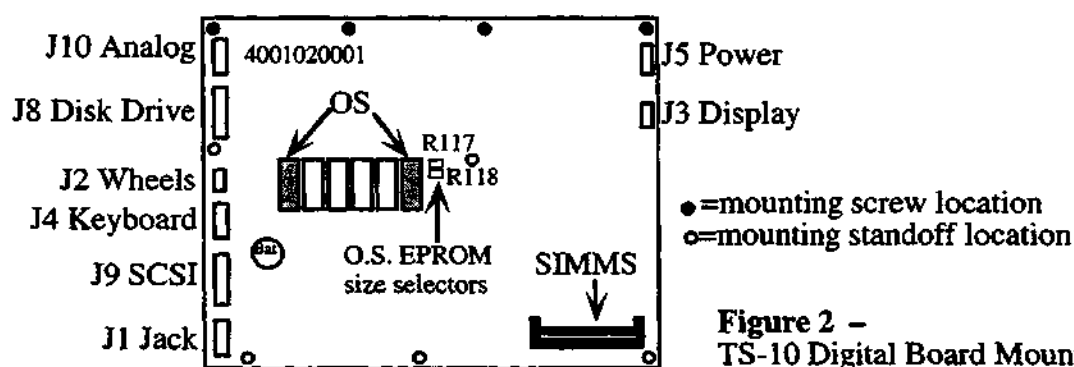

Figure 1 - Scribe

These can be found in the following catalogs:
- Techni-Tool catalog 43, page 103, part number 400PR144
- Newark catalog 112, page 1115, part number 76-1510

C. Remove the TS-10 Bottom Cover and Digital Board (TS-10 only)

1. Remove all the screws from the base and rear panel. **Note** that six (6) screws along keytip side are self-tapping. Remove the bottom cover.
2. Using a scribe (see **Figure** 1), disconnect all the cables from the digital board:
   a) J10 - 20-pin ribbon cable to the analog board (4090020301),
   b) J8 - 34-pin ribbon cable to the disk drive,
   c) J2 - 6-pin cable to the patch select/wheel board (4090017801),
   d) J4 - 20-pin ribbon cable to the keyboard,
   e) if present, J9 - 34-pin ribbon cable to the SCSI board (4090020601),
   f) Jl - 20-pin ribbon cable to the jack board (4090020201),
   g) J5 - 9-pin cable to the power supply board (4090020401), and
   h) J3 - 7-pin cable to the keypad/display board (4090020101).
3. Remove the four (4) screws that hold the digital board to the keyboard bracket, **see Figure 2.**

Figure 2 –
TS-10 Digital Board Mounting

Pop the digital board off the five (5) standoffs by squeezing the standoffs with needlenose pliers, see **Figure 2:**
a) three (3) on back of digital board to I/O bracket, and
b) two (2) in the middle of the digital board.
Go to Section G, Changes to the Digital Board.